USER MANUAL

Thank you for choosing the products of Armytek Optoelectronics Inc., Canada.
Please read this manual carefully before using the flashlight.

Specifications

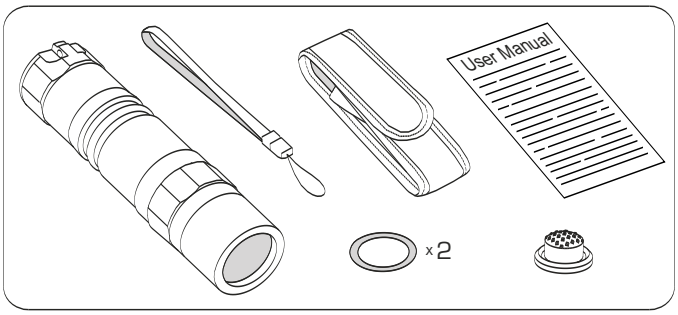
Armytek Partner flashlights are designed to be effectively applied for Hunting and Fishing, Sports and Camping, Work and Rest, as well as for other activities where a reliable pocket light source powered by wide-spread batteries is needed. We develop Armytek Partner flashlights taking into account the highest users' requirements and implementing in the production only the best electronic components produced by world's leading manufacturers. Updated Cree LEDs (USA) and reliable electronics supply the effective conversion of power source energy into light, while a durable anodized aluminium-alloy body and hermetic sealing system provide secure protection from external impact.
Armytek Partner flashlights are represented in several variants, distinguished by LED type (Cree XP-G or Cree XM-L) and batteries type (1xAA, 2xAA, 1xCR123A). Following chart specifies the main characteristics of Armytek Partner flashlights:

Model	Partner A1		Partner A2		Partner C1	
Type of clicky switch	Reverse (for one-hand operation)					
Power source	1xAA		2xAA		1xCR123A	
LED	Cree XM-L	Cree XP-G	Cree XM-L	Cree XP-G	Cree XM-L	Cree XP-G
Light output for Max / Min mode*	260lm/45min 85lm/3h40min	230 lm/40min 80lm/3h30min	330lm/1h25min 85lm/7h45min	280lm/1h20min 80lm/7h30min	330lm/1h5min 85lm/6h10min	280lm/1h 80lm/6h
Hotspot/Spill	50° / 90°	20° / 70°	50° / 90°	20° / 70°	50° / 90°	20° / 70°
Beam distance	70 meters (77 yards)	100 meters (110 yards)	90 meters (98 yards)	120 meters (130 yards)	90 meters (98 yards)	120 meters (130 yards)
Size (length x max. diameter)	97mm x 24mm (3.82"x0.95")		148mm x 24mm (5.83"x0.95")		80mm x 24mm (3.15"x0.95")	
Weight (without batteries)	1.98oz/57g		3oz/85g		1.55oz/44g	
Recommended power source	Alkaline elements, NiMH rechargeable batteries, lithium batteries (max. 1.5V)		Alkaline elements, NiMH rechargeable batteries, lithium batteries (with max. voltage 1.5V)		Lithium batteries CR123A (with max. voltage 3.5V)	

* Runtimes were measured for Sanyo Eneloop 2000 mAh / CR123A 1500mAh batteries.

⚠ You cannot use rechargeable Li-Ion batteries with voltage 2.7-4.2V (RCR123 or 14500) more than 30 minutes without active cooling. These batteries can make small flashlight much brighter and hotter. This can bring the flashlight out of operation and damage the batteries. And battery damage can cause combustion or explosion.

Set description



Items included in the package:

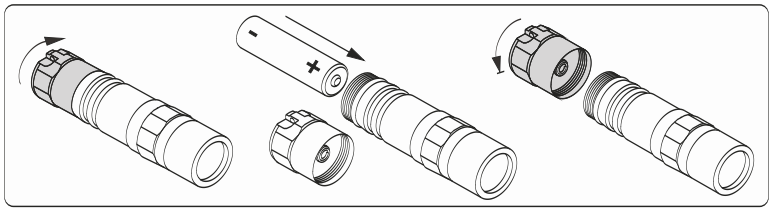
- Flashlight
- Holster
- Lanyard
- 2 spare O-rings
- Spare rubber button (not included in Mini models' package)
- User manual

⚠ 1. Depending on the model, your flashlight can inconsiderably differ from the pictures in the manual.
2. The producer reserves the right to change the package at his own discretion without modifying this manual.

Initial Service

To set/replace batteries:

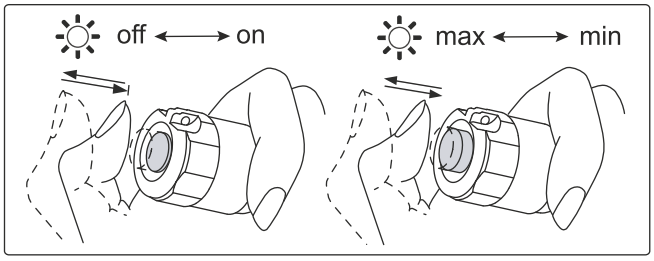
1. Unscrew the tailcap.
2. Place the batteries with the positive contact (+) facing the head of the flashlight.
3. Adjust the tailcap and tighten it as far as it can go.



⚠ We recommend NOT to leave power sources inside the flashlight for a long storage period, as batteries (especially, non-rechargeable) can leak for various reasons and damage the inner parts of the flashlight. If you want to keep your flashlight in a stand-by state with batteries in, use new and quality batteries, store the flashlight in acceptable for batteries operational temperature and revise the batteries' state at least once a month. If you have noticed any signs of batteries' defects, withdraw them from the flashlight and take out of operation. It is also recommended to replace discharged batteries with new ones before the storage as the chance of leakage is higher with discharged batteries.

Operation

Armytek Partner flashlight has two operation modes: maximal brightness / minimal brightness. Mode are switched by turning the flashlight off and on quickly.



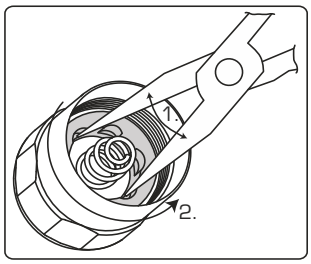
Operating the flashlight with a switch button:
To turn the flashlight on / off press the button to the click and release it.
There are two ways to switch between the modes:

- press the button slightly for a short period of time (half-press till the light goes out, no click), then release the button;
- turn the flashlight off and on quickly with two full pressing of the button.

Care and Storage

In case the rubber button is damaged, it should be replaced.
Replacement order:

1. Unscrew the tailcap.
2. Unscrew the thread ring gage, which holds the rubber button in the cap. To do so you should use needle-nose pliers (round-nose pliers or another tool: most suitable will be expansion pliers). Use the tool as it is shown at the picture.



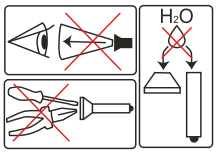
⚠ 1. The ring has a left thread and is unscrewed in the way most of the threads are tightened up.
2. Do not disassemble the flashlight except for unscrewing the thread ring gage and replacing the rubber button. There are no other parts in the flashlight that can be replaced by the user.

It is recommended to clean the threads and O-ring off dirt and old grease. Remember that secure protection from water and dust cannot be provided by worn out sealing. And fouling as well as lack of lubricant cause fast wear-out of threads and sealing rings.
To clean the thread do the following:

1. Unscrew the tailcap and remove the sealing ring carefully with a toothpick (do not use sharp metal things as they can damage the ring).
2. Wipe the sealing ring thoroughly with a soft cloth (or tissue). Do not use solvents. If the sealing ring is worn out or damaged replace it by a new one.
3. Clean the metal threads with a brush using ethanol. Be careful not to allow applied liquid to get inside the flashlight or tailcap as it can cause fails in functionality of the flashlight.

After cleaning lubricate the thread and the sealing ring with polyalphaolefin-based silica grease, e.g. Nyogel 760G. The application of automotive and other improper grease can cause swelling and damage of the sealing rings.
In case of active operation and exploitation in dusty environments it is recommended to perform cleaning and lubricating of the parts as often as required, even if it is more than twice a year.

Warnings



1. Always follow the instructions from this manual and recommendations on battery usage.
2. Apply only the recommended power sources.
3. Do not reverse battery polarity.
4. Do not use different power sources together, i.e. old ones with new ones, charged with discharged. Do not use different types of batteries combined as the element with less capacity can be damaged.
5. Do not modify or recast the flashlight and its components as it will deprive you of the warranty.
6. Do not allow water or any other liquid to leak into the flashlight.
7. Do not aim a turned-on flashlight at people's or animals' eyes – it can cause temporary blindness.
8. Do not allow children to use the flashlight without your assistance.
9. Be careful during the long-time flashlight operation as some parts of the body may heat up.
10. Be careful while using rechargeable batteries as Armytek Partner flashlights are designed to consume all the available battery power and don't protect batteries from over-discharge.

⚠ Armytek Optoelectronics Inc, Canada shall not be liable for any harm done to the user if it was caused by improper use of the product.

Service and Warranty

Armytek provides free warranty repair for 10 years from the purchase.

Warranty doesn't cover damage caused by:

1. Improper usage.
2. Attempts to modify or repair the flashlight by nonqualified specialists.
3. Longtime application in chlorinated or polluted water, or other liquids (other than water).
4. High temperatures and chemicals' exposure (including the exposure of liquid from defected batteries).
5. Usage of low-quality batteries.

Armytek Optoelectronics Inc.
Web: www.armytek.com Email: sales@armytek.com
Address: 67 Vandervoort Dr, Richmond Hill, Ontario, L4E 0C7, Canada

Specifications are subject to change without notice.